

TABLE - 1
X-RAY DIFFRACTION PEAKS OF FORM I AND FORM II OLANZAPINE
SUMMARY OF d-spacing AND I/I₁ INTENSITY RATIO

FORM I		FORM II	
d-spacing	I/I₁	d-spacing	I/I₁
9.9463	100.00	10.2689	100.00
8.5579	15.18	8.577	7.96
8.2445	1.96	7.4721	1.41
6.8862	14.73	7.125	6.50
6.3787	4.25	6.1459	3.12
6.2439	5.21	6.071	5.12
5.5895	1.10	5.4849	0.52
5.3055	0.95	5.2181	6.86
4.9815	6.14	5.1251	2.47
4.8333	68.37	4.9874	7.41
4.7255	21.88	4.7665	4.03
4.6286	3.82	4.7158	6.80
4.533	17.83	4.4787	14.72
4.4624	5.02	4.3307	1.48
4.2915	9.19	4.2294	23.19
4.2346	18.88	4.141	11.28
4.0855	17.29	3.9873	9.01
3.8254	6.49	3.7206	14.04
3.7489	10.64	3.5645	2.27
3.6983	14.65	3.5366	4.85
3.5817	3.04	3.3828	3.47
3.5064	9.23	3.2516	1.25
3.3392	4.67	3.134	0.81
3.2806	1.96	3.0848	0.45
3.2138	2.52	3.0638	1.34
3.1118	4.81	3.0111	3.51
3.0507	1.96	2.8739	0.79
2.948	2.40	2.8102	1.47
2.8172	2.89	2.7217	0.20
2.7589	2.27	2.6432	1.26
2.6597	1.86	2.6007	0.77
2.6336	1.10		
2.5956	1.73		

TABLE - 2
FT-IR PEAKS OF FORM III, FORM IV AND FORM V OLANZAPINE
SUMMARY OF WAVENUMBERS

FORM-III cm ⁻¹	FORM-IV cm ⁻¹	FORM-V cm ⁻¹
-	604	604
611	-	-
656	661	-
671	-	671
746	-	746
765	758	758
845	-	847
-	904	-
935	931	928
-	-	1357
1369	1365	1369
-	1456	-

TABLE - 3

X-RAY DIFFRACTION PEAKS OF FORM III, FORM IV AND FORM V OLANZAPINE
SUMMARY OF d-spacing AND I/I₁ INTENSITY RATIO

FORM-III			FORM-IV			FORM-V		
2-theta (deg.)	d-spacing	I/I ₁	2-theta (deg.)	d-spacing	I/I ₁	2-theta (deg.)	d-spacing	I/I ₁
8.5649	10.3156	100	8.8814	9.9487	83	8.3400	10.5932	17
12.3325	7.1713	16	10.3898	8.5074	15	8.6477	10.2170	100
13.6091	6.5014	17	10.7669	8.2103	17	8.8800	9.9503	57
16.0535	5.5165	24	18.4029	4.8172	100	10.3673	8.5259	22
18.2617	4.8541	46	18.8200	4.7114	41	12.4540	7.1016	17
19.4600	4.5578	24	19.2284	4.6122	35	14.5737	6.0731	17
19.7400	4.4938	38	19.5884	4.5282	33	17.0243	5.2041	19
19.9200	4.4536	36	20.9646	4.2340	29	17.7763	4.9856	20
20.8409	4.2588	49	21.7109	4.0901	32	18.4102	4.8153	62
22.2635	3.9898	52	23.6600	3.7574	23	18.6600	4.7514	34
23.8442	3.7288	42	24.0400	3.6989	40	19.5800	4.5302	24
24.9738	3.5626	25				19.8400	4.4714	51
29.4932	3.0262	18				20.9993	4.2271	91
						21.4949	4.1307	40
						22.2738	3.9880	31
						23.5400	3.7763	10
						23.9232	3.7167	62
						25.1975	3.5315	22

TABLE - 4
COMPLETE FT-IR PEAKS OF
FORM III, FORM IV AND FORM V OLANZAPINE
SUMMARY OF WAVENUMBERS

FORM-III	FORM-IV	FORM-V
cm ⁻¹	cm ⁻¹	cm ⁻¹
-	604	604
611	-	-
656	661	-
671	-	671
746	-	746
765	758	758
845	-	847
-	904	-
935	931	928
966	970	966
1008	1005	1006
1348	1344	1344
-	-	1357
1369	1365	1369
1414	1419	1414
-	1456	1414
-	1456	-
1469	1469	1469
1560	1560	1560
1593	1589	1585
2790	2798	2792
2837	2842	2839
2933	2927	2931
3232	3234	3228

TABLE - 5
COMPLETE X-RAY DIFFRACTION PEAKS OF
FORM III, FORM IV AND FORM V OLANZAPINE
SUMMARY OF d-spacing AND I/I₁ INTENSITY RATIO

FORM-III			FORM-IV			FORM-V		
2-theta (deg.)	d-spacing	I/I ₁	2-theta (deg.)	d-spacing	I/I ₁	2-theta (deg.)	d-spacing	I/I ₁
8.22	10.7476	15	8.88	9.9487	83	8.34	10.5932	17
8.56	10.3156	100	10.39	8.5074	15	8.65	10.2170	100
10.25	8.6245	11	10.77	8.2103	17	8.88	9.9503	57
12.33	7.1713	16	12.88	6.8673	12	10.37	8.5259	22
13.61	6.5014	17	17.82	4.9734	12	12.45	7.1016	17
14.48	6.1120	14	18.40	4.8172	100	14.57	6.0731	17
14.94	5.9251	12	18.82	4.7114	41	17.02	5.2041	19
15.20	5.8243	12	19.23	4.6122	35	17.78	4.9856	20
16.05	5.5165	24	19.59	4.5282	33	18.41	4.8153	62
16.92	5.2359	11	20.96	4.2340	29	18.66	4.7514	34
18.26	4.8541	46	21.71	4.0901	32	19.22	4.6139	15
18.66	4.7514	10	23.66	3.7574	23	19.58	4.5302	24
19.46	4.5578	24	24.04	3.6989	40	19.84	4.4714	51
19.74	4.4938	38	25.39	3.5052	11	20.99	4.2271	91
19.92	4.4536	36				21.49	4.1307	40
20.84	4.2588	49				21.80	4.0736	15
21.38	4.1523	30				22.27	3.9880	31
21.82	4.0699	15				23.54	3.7763	10
22.26	3.9898	52				23.92	3.7167	62
22.81	3.8955	10				25.20	3.5315	22
23.84	3.7288	42				26.38	3.3762	13
24.97	3.5626	25				29.70	3.0060	11
29.49	3.0262	18						

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